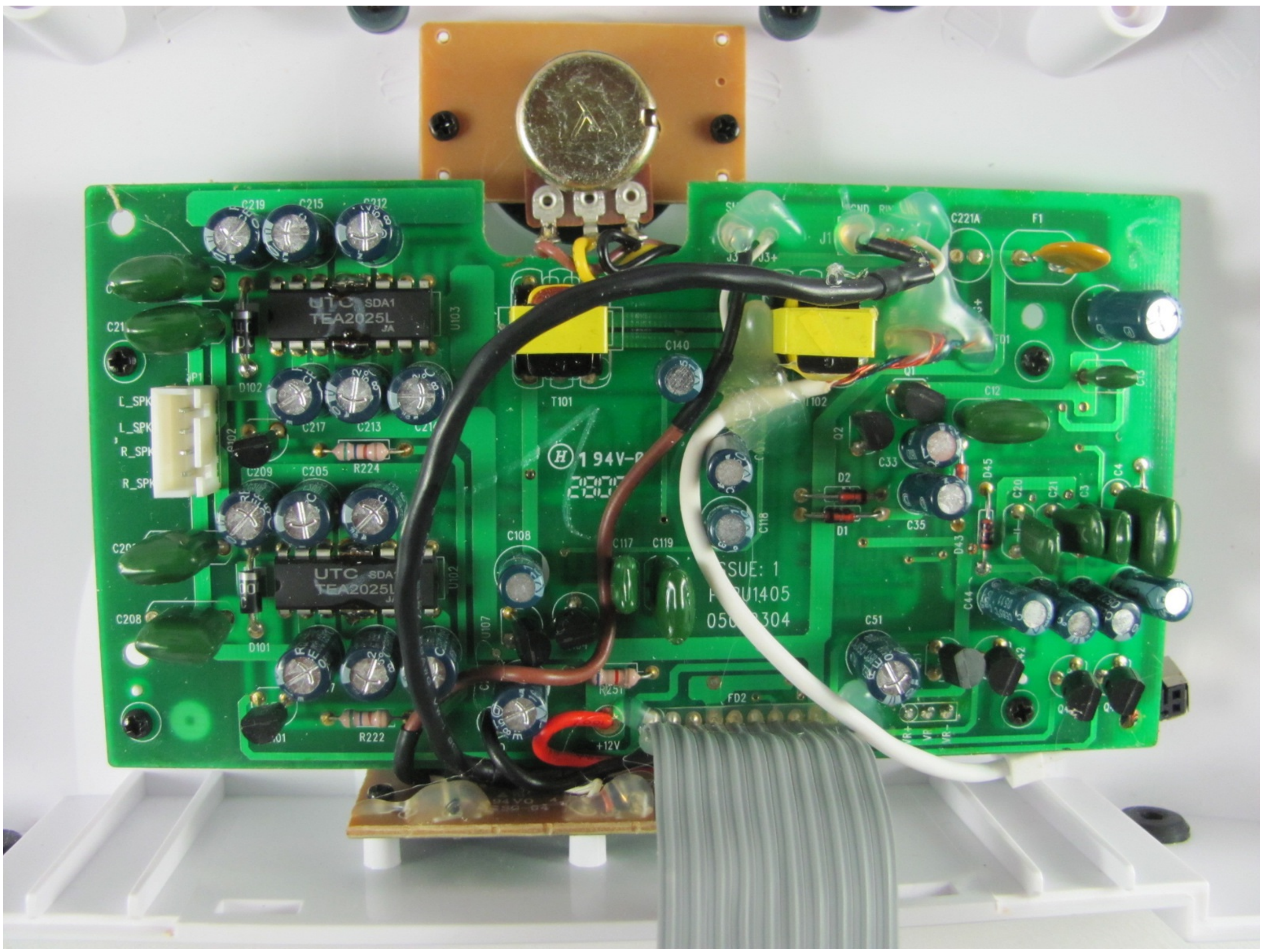
Sharper Image iPulse SI325 Motherboard Replacement

In this guide, you will find how to replace the motherboard of Sharper Image iPulse SI325.

Written By: Vi Le



INTRODUCTION

Use this guide to remove the motherboard. There is soldering required, so if you need assistant please read this soldering technique page.

TOOLS:

- Phillips #1 Screwdriver (1)
- Phillips #2 Screwdriver (1)
- Soldering Station (1)

Step 1 — Outer Case





- Gently position the device so that the buttons and speakers lie face down.
- Unplug the power cord from the "DC Input."

Step 2

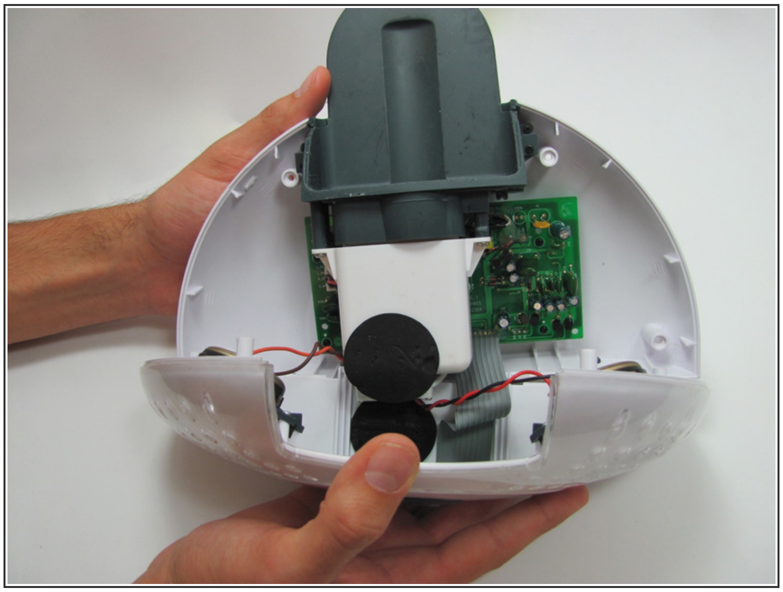


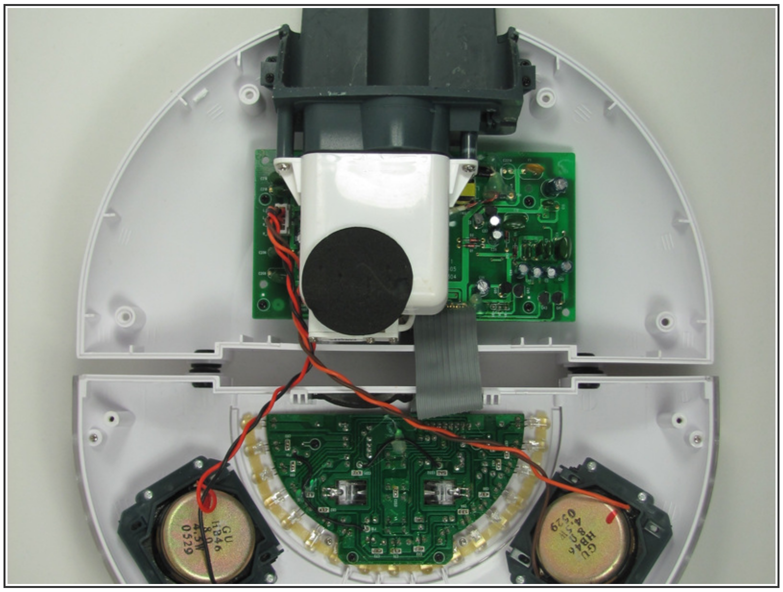




- Remove the four 12mm phillips head #2 screws located along the outer edge of the white case.
- Be careful! There are two small, easily-broken, plastic tabs at the bottom of the device keeping it together.
- Once you remove the screws, pick the device up so that the grey label on the bottom of the device faces toward you.
- With your thumbs on either side of the grey label, slowly push with both thumbs until the case pops open.
- A small gap will open as the two tabs are released.
- Do not pull the two halves apart yet. They are held together by the speaker wire.

Step 3





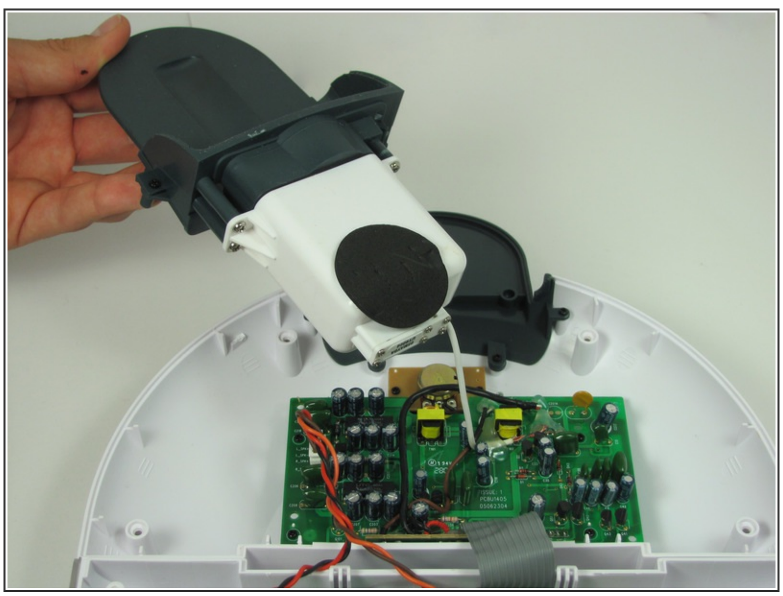
- Grip both sides of the top round part of the case and carefully open it like a clam. The bottom of the two halves are connected by the speaker wire. Do not separate by more than 1 centimeter.
- Grip either side of the top round part of the case and carefully open the device to reveal all the hidden treasures inside!
- Lay the device down, so that all the internal components are facing upwards.

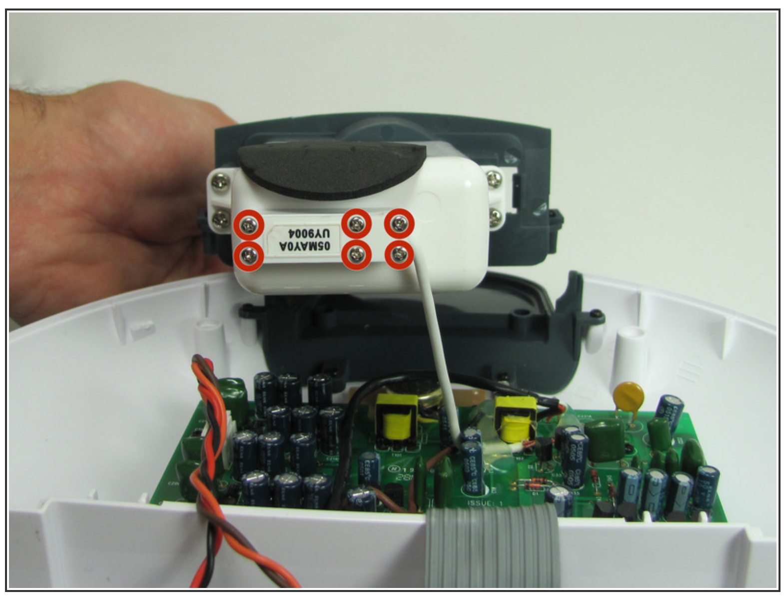
Step 4 — Motherboard



- Turn the device over so that the internals are facing down.
- Remove the three 7mm Phillips #1 screws connecting the Zipconnect unit.

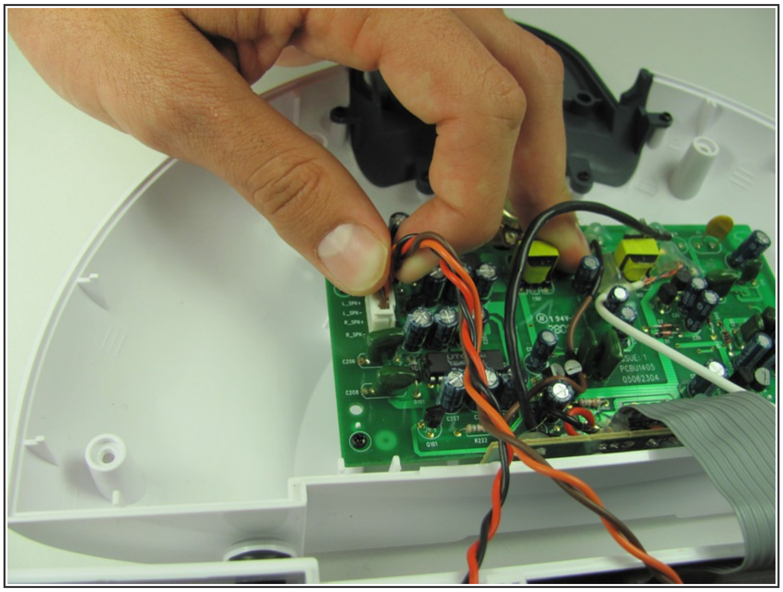
Step 5

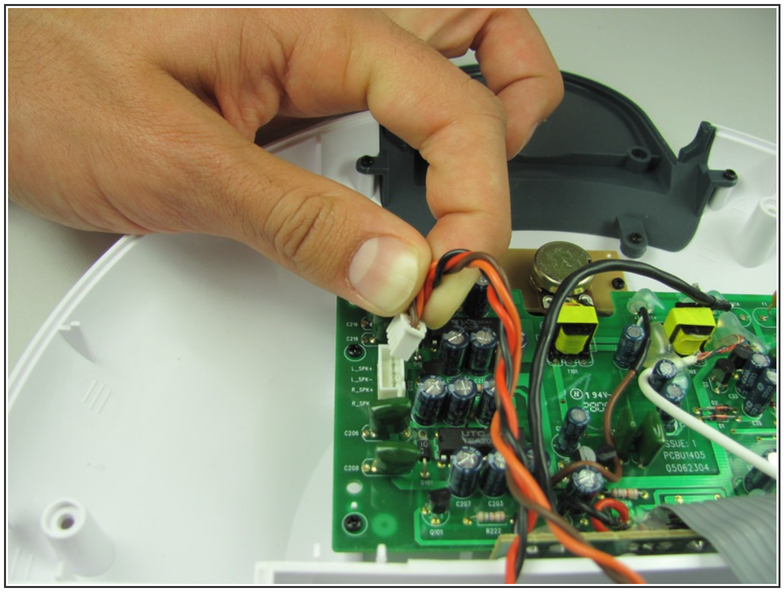




- Turn the device over again so you are looking at the internals.
- The Zipconnect unit will lift out but will still be attached by a wire connected to the motherboard.
- Remove the six 7mm Phillips #1 phillips screws attatching the Zipconnect unit to the motherboard wire and set the unit out of the way.

Step 6

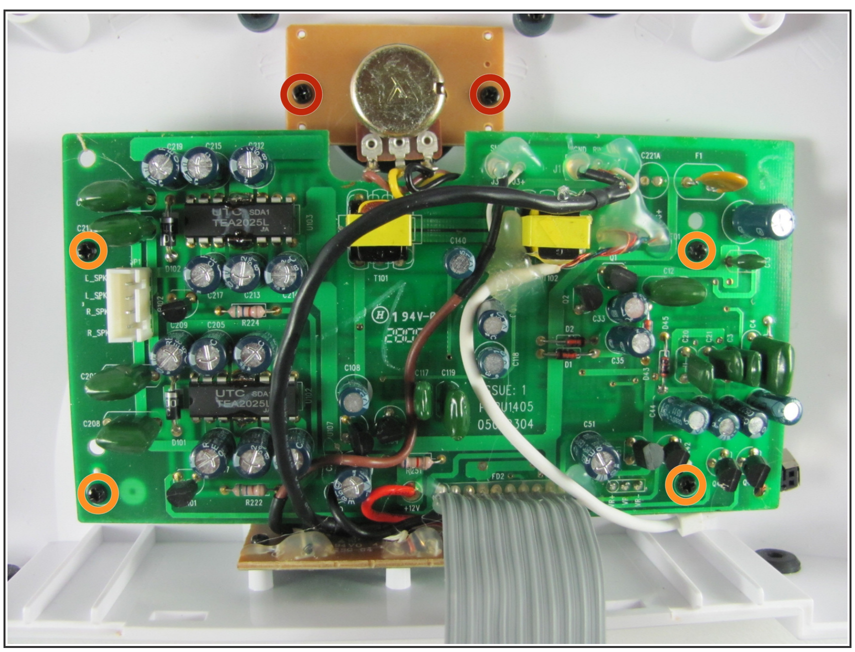




- Disconnect the speaker wire from the motherboard by firmly griping the wires close to the connection with two fingers and pull the connector out.

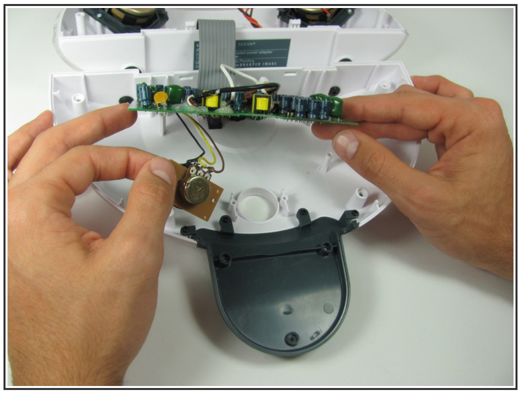
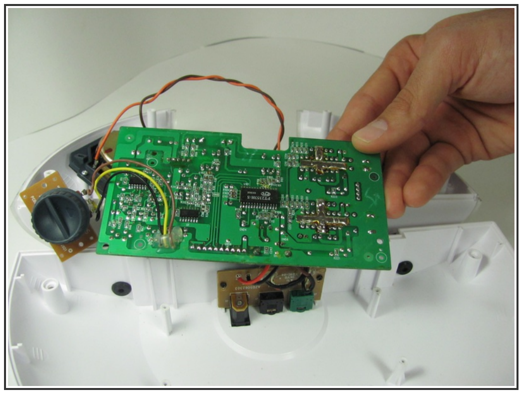
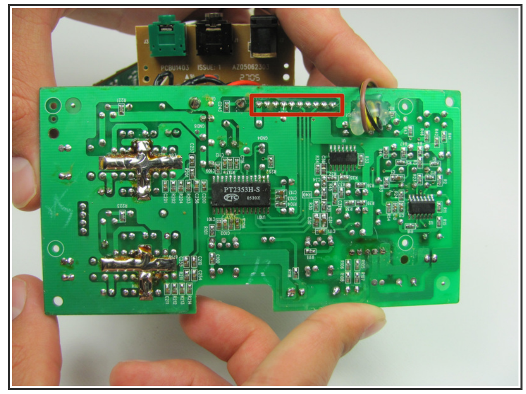
ⓘ Wiggling the connector back and forth as you pull will make removal easier.

Step 7



- Remove the two 11mm Phillips #1 screws attaching the small brown circuit board to the plastic outer case.
- Also remove the four 11mm Phillips #1 screws attaching the motherboard to the plastic case.

Step 8

- Lift up on both the motherboard and brown circuit board which contains the light intensity dial.
- Turn over the motherboard and remove the solder connecting the wide, flat, grey wire.

To reassemble your device, follow these instructions in reverse order.

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